

FAG

★ 22217-E1-XL

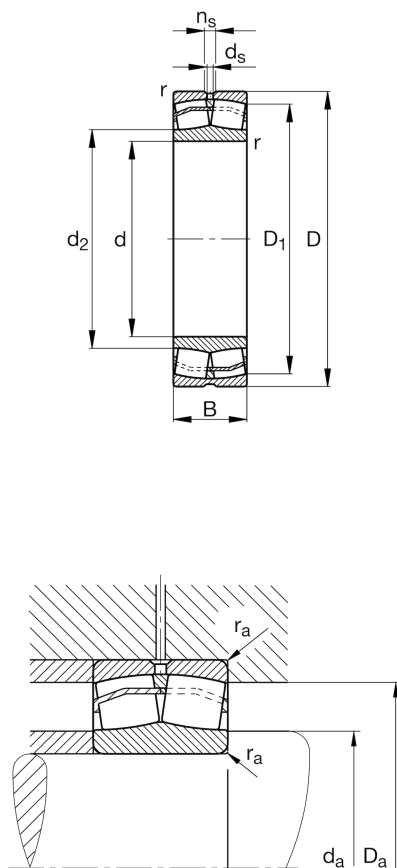
Spherical roller bearing

Schaeffler ID:
0190004050000Spherical roller bearings 222...-E1, main
dimensions to DIN 635-2

★ Preferred product

X-life

Technical information



Temperature range

| | | |
|------------|----------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 200 °C | Operating temperature max. |
| | 2,616 kg | Weight |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 85 mm | Bore diameter |
| D | 150 mm | Outside diameter |
| B | 36 mm | Width |
| C_r | 305.000 N | Basic dynamic load rating, radial |
| C_{0r} | 325.000 N | Basic static load rating, radial |
| C_{ur} | 39.000 N | Fatigue load limit, radial |
| n_G | 5.700 1/min | Limiting speed |
| n_{gr} | 3.450 1/min | Reference speed |

Dimensions

| | | |
|------------|----------|------------------------------------|
| r_{\min} | 2 mm | Minimum chamfer dimension |
| D_1 | 135,4 mm | Bore diameter outer ring |
| d_2 | 99,7 mm | Raceway diameter of the inner ring |
| d_s | 3,2 mm | Diameter lubrication hole |
| n_s | 6,5 mm | Width of lubricating groove |

Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 96 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 139 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 2 mm | Maximum recess radius |

Additional information

| | | |
|----------------|------|--|
| e | 0,22 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y ₁ | 3,04 | Dynamic axial load factor |
| Y ₂ | 4,53 | Dynamic axial load factor |
| Y ₀ | 2,97 | Static axial load factor |